

Mainsail: 3001229 Harvey-1 mainsail R1

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\3001229 Harvey-1-2\3001229 Harvey-1 mainsail R

Initial Design Date: 4/1/2020
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	24.150Ft
Leech geodesic:	25.239Ft
Foot geodesic:	9.990Ft
Head geodesic:	0.377Ft
Upper width (MUW):	1.832Ft
Three-quarter width (MTW):	3.330Ft
Half width (MHW):	5.937Ft
Quarter width (MQW):	8.084Ft
Foot median:	24.284Ft
ORC Mainsail area:	135.981Ft?
Surface area:	137.536Ft?

Battens

Position	Length	Roach	Angle	Full
80.000%	2.001Ft	0.338Ft	73.667?	
60.000%	2.297Ft	0.466Ft	73.667?	
40.000%	2.297Ft	0.387Ft	73.667?	
20.000%	2.297Ft	0.221Ft	73.667?	

Reefing Points

1, Luff: 6.890Ft ; Leech: 7.121Ft ; Offset: 0.000Ft ; Number Eyelets: 3

Luff Curve

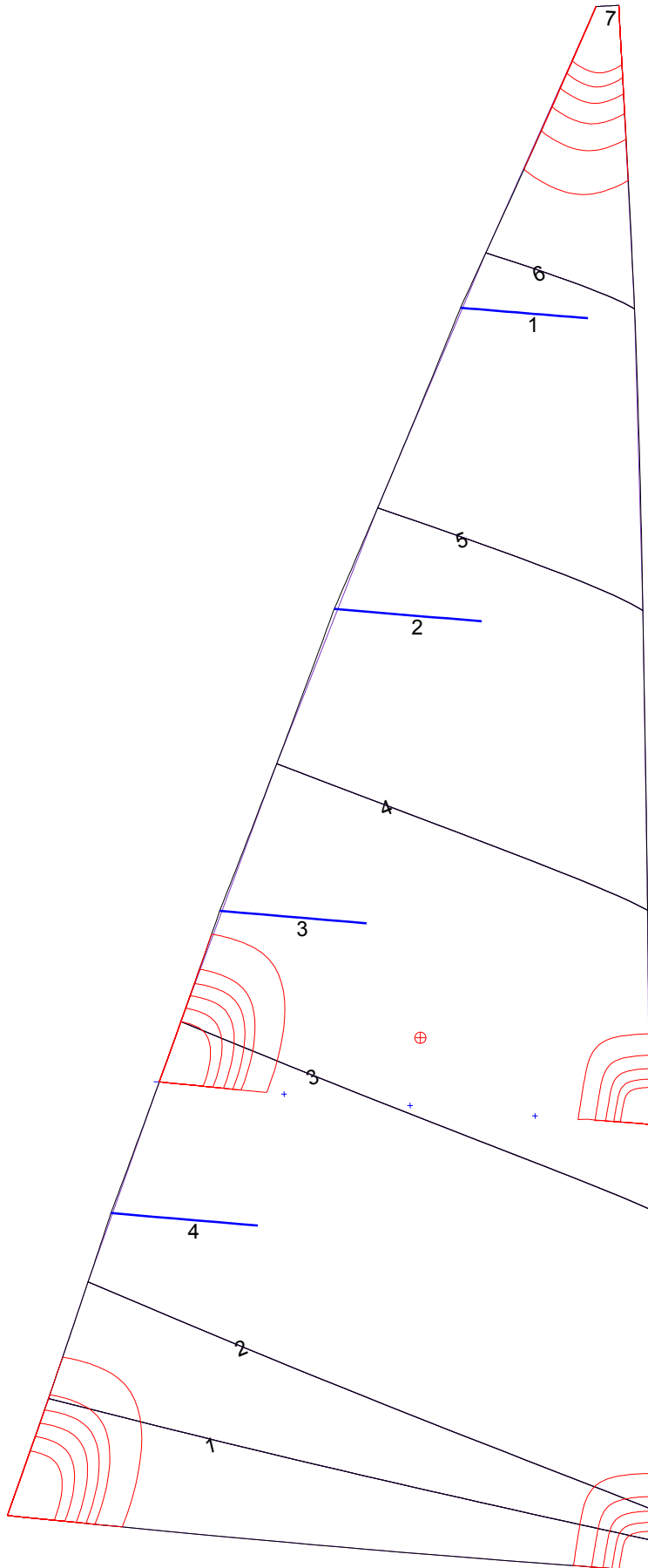
		Fanned Luff (@ 5.00% [0. Before BSeam		
24.148Ft,	0.000Ft	100% (24.150Ft) :	0.000Ft	-0.000Ft
20.043Ft,	-0.136Ft	90% (21.738Ft) :	0.059Ft	0.133Ft
15.938Ft,	-0.181Ft	80% (19.319Ft) :	0.109Ft	0.255Ft
12.295Ft,	-0.178Ft	70% (16.906Ft) :	0.129Ft	0.333Ft
7.969Ft,	-0.138Ft	60% (14.490Ft) :	0.128Ft	0.367Ft
4.350Ft,	-0.082Ft	50% (12.075Ft) :	0.120Ft	0.365Ft
0.000Ft,	0.000Ft	40% (9.660Ft) :	0.105Ft	0.328Ft
		30% (7.245Ft) :	0.082Ft	0.260Ft
		20% (4.829Ft) :	0.054Ft	0.177Ft
		10% (2.416Ft) :	0.024Ft	0.084Ft
		0% (0.000Ft) :	0.000Ft	0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000Ft	0.000Ft	0.082Ft

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000Ft	0.000Ft	0.000Ft

Materials		
Material	Area (Ft ²)	Panels
Material 1	137.37	1,2,3,4,5 6,7



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